

74530-37

10/18/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

Bert Volger
Helm Agro US, Inc.
8275 Tournament Drive, Suite 340
Memphis, TN 38125

OCT 18 2013

Subject: Label Amendment – Revise Master Label
CSF Amendment – Revise Basic and Add Alternate #2 Formulations
Paraquat TC
EPA Reg. No. 74530-37
Application Dated – April 2, 2013

Dear Mr. Volger:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. The Agency has also reviewed your submission for new and revised Confidential Statements of Formula, and the following comments apply:

The Basic Confidential Statement of Formula dated May 17, 2013 is acceptable and supersedes all previous versions of the basic CSF.

Alternate Formulation #2 dated May 17, 2013 is acceptable and has been placed in the product's file.

A stamped copy of the label is enclosed for your records. You must submit one (1) copy of the final printed label before you release the product for shipment. Products released for shipping after eighteen (18) months must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

If you have any questions regarding this letter, please contact Maggie Rudick at (703) 347-0257 or rudick.maggie@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", written over a horizontal line.

Kable Bo Davis
Product Manager 25
Herbicide Branch
Registration Division (7505P)

2/7

Paraquat TC (Technical Concentrate)

For Formulation of Paraquat Herbicide Products Only

ACTIVE INGREDIENT:

Paraquat dichloride (1,1'-demethyl, 4,4'-bipyridinium dichloride) 47.15%

INERT INGREDIENTS: 52.85%

TOTAL: 100.00%

Contains 2.8 pounds paraquat cation per gallon.

Contains emetic.

EPA Reg. No. 74530-37

EPA Establishment No. XXX-XXX-XXX

Net Contents: 243gal

**KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO
POISON**



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

- **NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS**
- **IF SWALLOWED, TAKE IMMEDIATE ACTION AS PRESCRIBED IN FIRST AID STATEMENT. SYMPTOMS ARE PROLONGED AND PAINFUL.**



HELM AGRO Inc.
4042 Park Oaks Blvd., Suite 330
Tampa, FL 33610
info@helmagro.com

ACCEPTED
OCT 18 2013
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg No. 74530-37

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Speed is essential. Immediate attention is required. If available, Give an adsorbent such as activated charcoal, bentonite or Fuller's Earth. • Call a poison control center or doctor immediately for treatment. • Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 mins. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance. • Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN	
Administer either activated charcoal (100g for adults or 2g/kg body weight in children) or Fuller's Earth (15% solution: 1 liter for adults or 15mg/kg body weight in children).	
NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat, however contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE	
For medical emergencies involving this product, call CHEMTREC 1-800-424-9300. For chemical emergency: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER/PELIGRO
POISON**

May be fatal if swallowed. Fatal if inhaled. Do not breathe spray mist. Do not inhale contaminated dust. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Avoid contact with skin. Harmful if absorbed through skin. Wear (goggles, face shield, or safety glasses).

IMPORTANT: The effect of swallowing paraquat concentrate is far more severe than that which usually results from skin contact or inhalation of contaminated plant dust. User must use product in accordance with label instructions.

When handling or mixing concentrate or when exposure to concentrate is possible, wear:

- Dust/mist filtering NIOSH approved respirator with any R,P or HE filter
- Protective clothing (disposable suit/coveralls or long-sleeve shirt and long pants)
- Full face shield
- Chemical-resistant gloves (Category A)
- Chemical resistant apron and shoes plus socks

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

REMOVE contaminated clothing and wash separately from other laundry before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of EPA.

PHYSICAL AND CHEMICAL HAZARD

This product reacts with aluminum to produce hydrogen gas which may form a highly combustible gas mixture. Do not mix or allow product to come into contact with oxidizing agents. Hazardous chemical reaction may occur.

EQUIPMENT/CONTAINER

Flush all equipment with water after use each day. **PARAQUAT IS CORROSIVE TO ALUMINUM.** Flush aluminium equipment and aluminum structures that are exposed to solution of spillage thoroughly with water immediately after use.

SPILLAGE DURING TRANSPORT

Emergency Action: Notify police and fire departments immediately. For any spill, leak, fire, or exposure in the United States, call CHEMTREC 1-800-424-9300.

KEEP PUBLIC AND ANIMALS away from area. MARK ROADS AND WARN OTHER ROAD USERS. WEAR face shield, waterproof gloves, waterproof footwear, and long-sleeve shirt and long pants during decontamination operations.

Clean up spills as soon as possible. Cover spill with generous amount of clay or loam soil to absorb liquid, using a stiff broom to ensure intimate contact. Sweep onto shovel and transfer to plastic bag or other disposable container. Repeat operations until contaminated surfaces are dry. Finally, hose spill site with water, if feasible.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Only for formulation into a herbicide for the following uses:

TERRESTRIAL FOOD CROP

Acerola (West Indies cherry), apricot, asparagus, avocado, banana, blackberry, blueberry, boysenberry, broccoli, cabbage, Chinese, carrot (including tops), cauliflower, cherry, cocoa, coffee, collards, cucumber, eggplant, fig, filbert (hazelnut), garlic, groundcherry (strawberry tomato/tomatillo), guava, hops, kiwifruit, lettuce, loquat, macadamia nut (bushnut), manioc (cassava), melons, melons, cantaloupe, melons, musk, melons, water, mint, nectarine, olive, onion, papaya, passion fruit, peach, pear, pecan, pepino (melonpear), pepper, pepper (chilli type), pineapple, pistachio, plum, potato, whit/Irish, prune, pumpkin, raspberry (black, red), rhubarb, small fruits, squash (all or unspecified), strawberry, sugar beet, taro, walnut (English/black), yam, yautia.

TERRESTRIAL FOOD+FEED CROP

Almond, apple, barley, beans, asparagus, beans, dried-type, beans, mung; beans-succulent (lima); beans-succulent (snap), citrus fruits, corn (unspecified), corn, field, corn, pop, corn, sweet, cotton (unspecified), garbanzos (including chickpeas), grapes, guar, hops, legume vegetables, mint, oats, orchards (unspecified), peanuts, peanuts (unspecified), soybeans, edible, spearmint, sugar beet, sugar crops, sugarcane, sunflower, tomato, turnip, vegetables (unspecified), wheat.

TERRESTRIAL FEED CROP

Alfalfa, barley, beans, clover, crownvetch, legume vegetables, lespedeza, lupine, pastures, sainfoin, timothy, trefoil, tyfon, vetch, wheat.

TERRESTRIAL NON-FOOD CROP

Agricultural fallow/idleland, airports/landing fields, commercial/industrial lawns, commercial/institutional/industrial, premises/equipment (outdoor), fencerows/hedgerows, grasses grown for seed, industrial areas (outdoor), jojoba, nonagricultural outdoor buildings/structures, nonagricultural uncultivated areas/soils, ornamental and/or shade trees, peach (non-bearing, seed beds), recreation area lawns, tomato (post-harvest)/ wood protection treatment to forest products (seasoned).

FORESTRY

Forest planting (reforestation programs), pine (forest/shelterbelt), shelterbelt plantings.

TERRESTRIAL NON-FOOD

Ornamental and/or shade trees, ornamental herbaceous plants, ornamental woody shrubs and vines, non-crop areas such as public airports, electric transformer stations and around commercial buildings.

OTHERS

Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and uses for experimental purposes that are in compliance with USEPA requirements.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

PESTICIDE STORAGE; Store at temperatures above 32° F. Do not contaminate food, foodstuffs, or drinking

Water. Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. For help with any spill, leak, fire or exposures involving this material call CHEMTREC 1-800-424-9300.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Container: Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying.

(Liquid Formulations) Nonrefillable container equal to or less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Nonrefillable container 5 gallons to bulk: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use of disposal. Repeat this procedure two more times.

DO NOT REUSE CONTAINERS FOR ANY PURPOSE

**CONDITIONS OF SALE
AND LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Follow Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Helm Agro US, Inc. or Seller. To the extent of applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Helm and Seller harmless for any claims relating to such factors.

Helm warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Helm, and Buyer and User assume the risk of any such use. **HELM MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, in no event shall Helm or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF HELM AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF HELM OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Helm and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Helm.

EPA approved on 8-23-2010;
Revised & submitted 5-17-2013
Resubmitted 9-24-2013